



# The Gazette of India

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Separate paging is given to this Part in order that it may be filed as a separate compilation.

## PART II—SECTION 1

### Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

##### Patents and Designs

*Calcutta, the 22nd November 1947*

##### CORRIGENDUM

In the Gazette of India, Part II, Section I, dated the 10th May 1947, Page 350, column 2, Line 4, under the heading "Cessation of Patents".

Delete entry No. 19504.

#### Applications for Patents

TITLES HAVE BEEN ABRIDGED

*From 6th November to 11th November 1947.*

- 38511. D. P. Basu and Ibcon Ltd. Automatic electrical device to indicate and record reservation of accommodation.
- 38512. F. Knutsson-Hall. Igniting rod to be used several times.
- 38513. J. H. W. Lewis. Ironing equipment. (7th November 1946).
- 38514. The General Electric Company Limited. Multi-channel signalling systems. (21st November 1946).
- 38515. F. Perwolf. Selector index cabinet for perforated cards.
- 38516. The Race Finish Recording Company Limited. Photographic cameras. (8th November 1946).
- 38517. G. Carpenter. Construction of ribbed or hollow building pannels and like units.
- 38518. Shawinigan Products Corporation. Polyvinyl acetate emulsion paints.
- 38519. Aippoo. Practice writing instrument.
- 38520. The Wellcome Foundation Limited. Production of antibiotic. (21st December 1946).
- 38521. Universal Units (Building Construction) Limited. Panel construction of walls.
- 38522. F. Taylor & Sons (Manchester) Limited. Mobile cranes.
- 38523. P. N. Sarker. Pumpless oil mantle light.
- 38524. Armstrong Siddeley Motors Limited. Liquid-fuel combustion chamber. (4th December 1946).
- 38525. Armstrong Siddeley Motors Limited. Combined spark plug and fuel priming means. (4th December 1946).
- 38526. Armstrong Siddeley Motors Limited. Means for locking nuts to shaft.
- 38527. Armstrong Siddeley Motors Limited. Cooling of lubricating oil of internal-combustion engines.
- 38528. Armstrong Siddeley Motors Limited. Labyrinth packings for use in internal-combustion turbines.
- 38529. Armstrong Siddeley Motors Limited. Mounting of turbine blades.
- 38530. L. B. Henderson. Combined stay and device for opening and closing windows and like members.
- 38531. A. Dinsley. Culture media for the propagation of vegetative organisms. (4th December 1946).
- 38532. Standard Telephones and Cables Limited. Telephone exchange system.
- 38533. Standard Telephones and Cables Limited. Telephone circuit.
- 38534. Standard Telephones and Cables Limited. Electric welding tools. (17th March 1947).
- 38535. Tecalemit Limited. Flexible guide members. (11th November 1946).
- 38536. Tecalemit Limited. Liquid or oil filtration systems. (11th November 1946).
- 38537. Abbott Laboratories. Therapeutic compounds.

38538. J. Gomes. Doormats or the like.
38539. Herdev Padlock Factory & Metal Works. Locks.
38540. P. Smolensky. Scissors.
38541. S. N. Ghatge. Stove pin.
38542. A. E. P. Milner and R. G. Tugen. Tennis or like play ball and method of manufacture. (14th November 1946).
38543. Clutson & Kemp Limited and C. Clutson. Attachment of helically wound wire-coils to edges of woven fabrics. (12th November 1946).
38544. American Cyanamid Company. Purification of pteroylglutamic acid and related compounds. (31st March 1947).
38545. Thos. Firth & John Brown Limited. Production of columbium containing steel. (11th November 1946).

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may at any time within four months of the date of this *Gazette of India* give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, and also on cash payment at the counter of the Government of India, Central Book Depot, 8, Hastings Street, Calcutta, in due course. The price of each specification is Re. 1 (postage extra if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of the specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office, on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

30299. Anglo-Iranian Oil Company Limited. Improvements relating to the production of high grade aviation or motor fuels by fractional distillation. (28th January 1942).

*Distillation in a fractionating column with the production of a overhead and a bottom product and the control thereof.*

30650. Imperial Chemical Industries Limited. Improvements in or relating to polymerisation products of ethylene.

*Subjecting ethylene to an elevated temperature and pressure in presence of aqueous medium, a per-compound and a salt of an oxy-acid of sulphur.*

30836. Accles and Pollock Limited. Improvements relating to the manufacture of metal tubular articles. (14th June 1941).

*Metal tube compressed by a die on a mandrel which imparts the required configuration omit.*

33107. Societe D'Electro-Chimie, D'Electro-Metallurgie Et Des Acieries Electriques D'Ugine. Improvements in or relating to methods of manufacturing permanent magnets.

*Powders of ferro-magnetic metals or alloys, of size of colloidal particles agglomerated at low temperature with or without a binding agent under compression.*

33569. Power Jets (Research & Development) Limited. Fuel supply system for gas turbine power plants. (30th October 1941).

*Fuel pump of a substantially positive displacement type a relief valve for controlling the pressure of the delivered fuel burners—control valve between the fuel pump and the burners.*

33607. Power Jets (Research & Development) Limited. Improvements relating to liquid fuel burners and supply systems therefor. (28th March 1944).

*Liquid part of fuel from pressure supply source supplied swirl chamber causing swirling, drained at controlled rate to spillway to balance delivered through orifice.*

33769. C. Weizmann. Improvements in and relating to processes for the production of aromatic hydrocarbons.

*Vaporised liquid passed over a catalyst at 500° -750°C. at atmospheric pressure.*

33943. Sir W. G. Armstrong Whitworth & Company (Engineers) Limited. Improvements in engine valve gear.

*Two valves associated with a single part having inner and outer seating, one valve controlling the opening of the port while the other one controlling the closing of the port.*

34404. Dole Refrigerating Products, Inc. Improvements in or relating to cold plates.

*Structure and method of manufacture of cold plates for refrigerators.*

34411. Dr. B. B. Dey, T. R. Govindachari and H. V. K. Udupa. An improved method for the conversion of nitro chlorobenzenes to the corresponding nitro anisoles and nitro phenetoles.

*Using cuprous oxide as a catalyst.*

34692. G. D. Joglekar. Improvements in or relating to air separators for separating ground aggregate mass into different sizes.  
*Separator consisting a vessel provided with an inlet and an outlet and a single vane for regulating dust-laden air flow.*
34698. Aktieselskapet Norsk Aluminium Company. Process for the manufacture of alkali aluminium fluoride.  
*Comprises alkali decomposition of fluoraspas and reacting the product with alkali aluminate solution.*
34738. Koppers Company, Inc. Improvements in or relating to recovery of light oil from absorbent.  
*Heating absorbent oil to about 200°C. indirectly, flowing sweep-vapour through the same and refluxing vapour with light oil to leave light oil as overhead product.*
34755. B. B. Dey, T. R. Govindachari and H. V. Udupa. An improved process for the preparation of 2-nitro, 4-chlorophenetole.  
*Converting 2, 5-dichloro-1-nitrobenzene into 2-nitro-4-chlorophenetole using manganese dioxide, lead peroxide or cuprous oxide as catalysts.*
34756. B. B. Dey, T. R. Govindachari and S. C. Rajagopalan. An improved process for the production of ortho dichlorobenzidine (3, 3'-dichloro, 4, 4'-diamino diphenyl).  
*Electrolytically reducing 0-nitrochlorobenzene and converting the hydrazo compound to 3, 3'-dichlorobenzidine by treatment with acid.*
34757. B. B. Dey, T. R. Govindachari and S. C. Rajagopalan. A process for the production of 3, 6, 3', 6'-tetrachlorobenzidine.  
*Electrolytically reducing 2, 5-dichloro-1-nitro-benzene and treating the resulting hydrazo compound with acid.*
34775. Metropolitan-Vickers Electrical Company Limited. Improvements relating to apparatus for the formation of curved surfaces of prescribed figure by grinding and/or polishing.  
*Apparatus for forming curved surfaces comprising spindle, grinding or polishing pad and moveable carriage lever arrangements.*
34789. Bakelite Limited. Improvements in or relating to the manufacture of composite material containing one or more aluminium components and to aluminium components therefor.  
*Applying resin to anodised aluminium surfaces and bonding to other surface with adhesives.*
34800. National Carbon Company, Inc. Primary galvanic cell of the dry type, (6th November 1945).  
*Surface of a diaphragm of organic film forming material facing soluble electrode forms viscous solution with electrolyte; surface facing depolarizer mix made resistant to electrolyte to prevent dispersion of viscous solution.*
34815. Megnesium Elektron Limited. Improvements in or relating to the production of sections and sheets of magnesium and magnesium base alloys, (18th May 1945).  
*Passing magnesium base alloy blank between rolls at a speed of fifty feet per minute to bring to wrought condition and further rolling it to sections and sheets.*
34829. E. Freyssinet. Improvements in or relating to structure adapted to be driven into ground, particularly piles, and methods of making the same, (6th June 1945).  
*In making constructions from separate elements assembled together by tension reinforcements, the reinforcements are tensioned along the length of the said separate elements as the latter are being assembled, tension being kept in already assembled elements by provisional anchoring members which are shifted as assembling proceeds.*
34850. M. Duncan and W. Hendel. Prefabricated building units.  
*Two flat skins have means for connecting them together along one side edge to form a groove along that edge, and means for connecting the skins along the other side edge to form a tongue and one or more shallow channels are provided in at least the groove running longitudinally thereof.*
34851. N. V. De Bataafsche Petroleum Maatschappij. Process for the preparation of a product suitable for use as a lubricant, an addition to a lubricant, or capable of being used in the preparation of a lubricant for an addition to a lubricant.  
*Aromatic compounds containing polar groups together with compounds with aliphatic double bonds and containing more than four carbon atoms are simultaneously subjected to an alkylation and polymerisation treatment.*
34856. Societe D'Electro-Chimie, D'Electro-Metallurgie Et Des Acieries Electriques D'Ugine. Process for simultaneously dephosphorizing and de-oxidizing steel.  
*Treating phosphorous steel with a basic slag rich in manganese oxide while bringing into play a quantity of slag which is sufficient for causing the proportion of P<sub>2</sub>O<sub>5</sub> in the final slag to be small.*

- 34873.** Dr. S. Siddiqui and A. A. Khan. An improved apparatus for the expulsion of shell liquid from bhilawal and/or cashew nuts.  
*Consisting of a steam jacket, means for conveying nuts to a perforated retort inside the jacket and means for removing the expelled liquid.*
- 34909.** Monotype Machine (Colonial Patents) Syndicate Limited. Improvements in or relating to positioning mechanism for single typecasting and composing machines.  
*Yielding stops arranged in the path of secondary positioning jaws.*
- 34937.** S. M. Karim and K. K. Sarin. Improvements in or relating to coating composition for cardboard containers.  
*Glue dissolved in a mixture of water and glycerine.*
- 34938.** Dr. S. Siddiqui, A. A. Khan and B. C. Mazumdar. Improvements in or relating to depolymerisation of rubber.  
*With high temperature steam at between 180°C to 300°C.*
- 34945.** A. S. Chakravarty. Wire spring table file.  
*Wire spring is driven from one side of a board into a tin plate lying folded over the top edge of the board, the middle portion of the plate lying projected.*
- 35558.** International General Electric Company, Inc. Improvements in or relating to electrical coils and similar electrical conductors comprising metallic copper or a copper alloy.  
*Copper and its alloy is coated with a polymerisable composition to which is added an accelerator of polymerisation.*
- 35608.** Societe Des Usines Chimiques Rhone-Poulenc. Process for the preparation of new cyclic amino alcohols. (6th September 1945).  
*Opening the epoxy ring of an N-mono-substituted tetrahydrofurfurylamine by treatment with a dehydrating halogen halide and cyclising the halogenated amino alcohol.*
- 35711.** Casablanca High Draft Company Limited. Improvements in or relating to collectors for drafting mechanism for textile fibres. (13th April 1945).  
*Forming the face of the reducer with a recess extending from the inlet side of the said face.*
- 35712.** Casablanca High Draft Company Limited. Improvements in or relating to roller stands for spinning and preparing machines. (19th April 1945).  
*A base member secured to a stationary part and an upper roller supporting member having means to raise or lower the rollers and to change the angle of the plane of the rollers.*
- 35797.** De Directie Van De Staatsmijnen In Limburg, Handelend Voor En Namens Den Staat Der Nederlanden. Process of producing a calcium phosphate.  
*Treating an acid solution containing CaO and P<sub>2</sub>O<sub>5</sub> with ammonia and CO<sub>2</sub>, or with a carbonate or bi-carbonate.*
- 35798.** De Directie Van De Staatsmijnen In Limburg, Handelend Voor En Namens Den Staat Der Nederlanden. Process for expelling water from already concentrated solutions of calcium nitrate.  
*Calcium nitrate heated under pressure and expanded below water vapour pressure.*
- 35872.** Imperial Chemical Industries Limited. New Vat Dyestuffs. (18th October 1945).  
*Acylating a 5-amino-1 : 4-diaroyl-aminoanthraquinone.*
- 35914.** Societe Des Usines Chimiques Rhone-Poulenc. Improvements in or relating to the production of Acetyl-amino-Benzene Sulphonyl-Guanidines. (29th October 1945).  
*Converting by thermal treatment ammonium or substituted ammonium salts of acyl aminobenzene-sulphonylcyanides.*
- 35957.** N. V. Philip's Gloeilampenfabrieken. Improvements in or relating to sources of rays comprising a luminescent substance and process of preparing such a substance.  
*Luminescent substance comprising oxides of lanthanum, silicon and trivalent cerium.*
- 35961.** Imperial Chemical Industries Limited. Improved moulds for casting synthetic resins. (16th November 1945).  
*Pressing glass plates having parallel surface between one plane polished side and against another plane polished side of each of two angles pieces.*
- 35975.** B. E. Bowes. An improved valve for controlling the flow of fluids.  
*Valve and valve seating in the form of spherical zone, one or more ports in the seating and means for slidably moving the valve in contact with the seating.*
- 36151.** Armstrong Siddeley Motors Limited. Combustion chamber unit for an internal combustion turbine plant. (28th March 1945).  
*Compressor output delivered along an annular diffuser passage crossed by angularly-spaced ducts, the flow of the air between the end of the said passage and the ducts being radially inwardly.*

36267. Ciba Limited. Manufacture of new amines.

*Reacting a hydrogenated fluoranthene with an alkyl halide, in the presence of an agent which promotes the splitting off of hydrogen halide.*

36322. H. S. Marshall. Improvements in or relating to Curtain Suspensions, Bracelets, Necklaces, Girdles and the like articles. (19th January 1946).

*Comprises a length of flexible plastic sleeving having inserted therein a resilient core for maintaining the sleeving in a distended shape.*

36623. P. N. Vevaina. A combined lifting hoist and weighing apparatus.

*Lifting shackle passes through weighing apparatus without interfering.*

36718. W. M. Welsford. A machine for the manufacture of hair slides of the type commonly known as "bobby pins", hair pins and the like. (15th February 1946).

*Consists in passing a length of wire between two parallel rollers for cutting and shaping purposes, then over a bending member to impart a U-bend and finally passing over a clinching roller, wherein all the rollers and members move in synchronisation with each other.*

36728. The Permutit Company Limited. Improvements relating to cation-exchange resins and cation-exchange processes. (28th February 1946).

*Synthetic resinous condensation product by condensing together in alkaline solution an aldehyde, a phenol sulphonate, etc.*

36760. The Upjohn Company. Therapeutic sponge and process of making it.

*Forming an aqueous gelatin solution, beating the solution until a foam is formed, removing water by heating below 35°C and heating the dry foam at a temperature above 130° and below 145°.*

36878. Fisher & Ludlow Limited. Improvements in belt conveyors.

*A belt conveyor assembly is formed from sheet metal units secured detachably together.*

56919. Dixon, Hawkesworth Limited. Improvements in rotary thread guides of yarn winding machines of the cross winding type.

*One wing of a wing type thread-guide is of less diameter than the other so that on assemblage on the shaft the overlapping portion of one is nearer the shaft than the other,*

36933. N. F. Brown. Improvements in and relating to apparatus for raising natural oils and other liquids by gaseous pressure. (4th July 1946).

*Liquid is collected in a displacement chamber below the level of liquid in the well a raised up a vertically reciprocating eduction pipe by gaseous pressure.*

37070. Lodge Plugs Limited. Improvements relating to sparking plugs for internal combustion engines and more particularly to insulators thereof. (15th December 1939).

*An insulator, mainly of aluminium oxide, has an uniform axial bore, the inner end of which is closed by a mass of material similar to that of the insulator and is united by sintering.*

37334. Metropolitan-Vickers Electrical Company Limited. Improvements relating to electrical reactors. (16th May 1946).

*Secondary winding comprises a main section and two or more auxiliary sections adapted to be connected selectively and having one or more air gaps.*

37444. International General Electric Company of New York, Limited. Improvements in or relating to electric discharge device construction.

*Starting strip connected to electrode by resistance.*

37481. Shawinigan Resins Corporation. Improvements in or relating to a process for preparing a stable aqueous emulsion of polymerized normally liquid water-insoluble polymerizable compound and the stable aqueous emulsion resulting from said process.

*Carrying out the polymerisation in the presence of water-soluble per compound while dispersed in an aqueous medium containing a surface depressant and a colloid.*

37646. Boots Pure Drug Company Limited. Improvements in the manufacture of amidines.

*Treating substituted amidine with ammonia.*

#### Patents Sealed

31215.	31522.	31722.	31885.	31929.	31967.
32181.	32246.	32275.	32282.	32300.	32343.
32363.	32388.	32501.	32510.	32518.	32539.
32552.	32560.	32561.	32562.	32617.	32618.
32627.	32628.	32829.	32838.	32878.	32991.

#### Renewal Fees Paid

19504.	20381.	20775.	21415.	21505.	22584.
22593.	22700.	23519.	23666.	23704.	23718.
24018.	24540.	24624.	24716.	24769.	24770.
24771.	24947.	24986.	25387.	25533.	25962.
26089.	26090.	26091.	26657.	27040.	27092.
27155.	27187.	27188.	27189.	27190.	27211.
27233.	27787.	27850.	27868.	28030.	28104.
28105.	28106.	28107.	28514.	28528.	28637.

28638. 28640. 28641. 28849. 29347. 29361.  
 29382. 29667. 29668. 29819. 29820. 30163.  
 30367. 30634. 30925. 31138. 31181. 31211.  
 31378. 32032. 32133. 32456.

#### Restoration Proceedings

##### (I)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911, the restoration of the following patent :—

No. 19400 P. M. Madurai Moodaliar & Sons.

The patent ceased on the 21st November 1938 owing to the non-payment of the renewal fee within the prescribed time and cessation of the patent was notified in the Gazette of India, Part II, Section I, dated the 11th March 1939. Any person may give notice of opposition to the restoration by leaving Form 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta, on or before the 3rd January 1948.

##### (II)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911, the restoration of the following patent :—

No. 19428 P. M. Madurai Moodaliar & Sons.

The patent ceased on the 1st December 1938 owing to the non-payment of the renewal fee within the prescribed time and cessation of the patent was notified in the Gazette of India, Part II, Section I, dated the 11th March 1939. Any person may give notice of opposition to the restoration by leaving Form 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta, on or before the 3rd January, 1948.

#### CORRIGENDUM

*Calcutta, the 29th November 1947*

In the Gazette of India, Part II, Section I, dated the 10th May 1947,—Page 350, Column 2, under the heading “Cessation of Patents”, Line 6.

Delete entry No. 27030.

#### Applications for Patents

TITLES HAVE BEEN ABRIDGED

*From 14th November to 19th November 1947*

38546. O. P. Varma and Bharat Search & Chemicals Ltd. Washing and/or extracting starch from dough or like.
38547. P. B. Ghosh. Building construction and other structures.
38548. Hercules Powder Company. Insecticidal compositions.
38549. Imperial Chemical Industries Limited. Polymeric ureas. (29th November 1946).
38550. J. Taylor, A. C. Hutchinson and I. Fagelston. Power-gas generating devices. (29th November 1946).
38551. Standard Telephones and Cables Limited. Electric cables. (13th December 1946).
38552. Megator Pumps & Compressors Limited. Stuffing boxes. (13th November 1946).
38553. Krebs & Co., Ltd. Electrolysis of salt solutions.
38554. Imperial Chemical Industries Limited. Dyestuffs. (22nd November 1946).
38555. Imperial Chemical Industries Limited. Dyestuffs. (25th November 1946).
38556. Imperial Chemical Industries Limited. Dyestuffs. (25th November 1946).
38557. C. A. Ablett. Roller bearings. (18th November 1944).
38558. Cheecol Processes Limited and Aerozem Limited. Plaster-like material to structures. (19th September 1946).
38559. Zbrojovka Brno Narodni Pondik (Brno Arms Factory, National Corporation), V. Werner and Kubelka. Automatic weaving device. (10th September 1947).
38560. Shawinigan Products Corporation. Freeze-stable polyvinyl acetate emulsion compositions.
38561. A. Mitra. Suction ventilator.
38562. C. S. Desikachary. Foot pressure Irrigation. Water-Lift.
38563. C. M. Sweet. Safety razors.
38564. J. Leichtenschlag. Seed drilling.
38565. The Express Lift Company Limited. Locks. (29th October 1946).
38566. American Cyanamid Company. Pteridines. (21st February 1947).
38567. S. A. Eternit Pietra Artificiale. Railway sleepers.
38568. Gillette Safety Razor Company. Safety Razors.
38569. Wisconsin Alumni Research Foundation. Nitric oxide. (25th October 1943).
38570. Wisconsin Alumni Research Foundation. Nitric oxide. (20th March 1947).
38571. Wisconsin Alumni Research Foundation. Nitrogen-dioxide. (21st March 1947).
38572. Philips Electrical Limited. Luminescent materials. (1st June 1945).
38573. Distillation Products Inc. Vitamin E. (18th November 1946). [Addition to No. 34507.]
38574. Distillation Products Inc. Delta-tocopherol from vegetable oils. (18th November 1946).
38575. Thermo Projects, Inc. Apparatus for the application of materials.
38576. Monsanto Chemical Company. Tertiary amines.
38577. The Sherwin-Williams Company. Coating surface. (18th November 1946).
38578. Philips Electrical Limited. Loud-speaking telephone. (29th March 1945).

38579. Philips Electrical Limited. Luminescent coating. (17th July 1945).
38580. K. R. Wartocha. Mechanical stencil printing machine.
38581. Vab Products Limited. Curtain runners. (20th November 1946).
38582. J. Prakash. Dam.
38583. Eugene Limited. Sachets for hair-waving. (25th November 1946).
38584. Standard Oil Development Company. Close-boiling alcohols from aqueous liquid mixtures.
38585. B. Evans. Building structures.
38586. Woodward Grosvenor & Company Limited and J. F. Locklay. Looms.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications referred to below, may at any time within four months of the date of this *Gazette of India* give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

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If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office, on payment of the necessary charges, which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act  
 30713. Ford Motor Company of Canada, Limited. Improvements in amphibious vehicles and methods of assembly.

*Hull, frame within said hull and running gear secured to frame through the hull in waterproof manner.*

30809. The General Electric Company Limited. Improvements in crystal contacts of which one element is mainly silicon. (20th August 1941).

*Silicon contact elements made from pure silicon into which small quantity of aluminium, beryllium have been added.*

30810. The General Electric Company Limited. Improvements in crystal contacts of which one element is mainly silicon. (18th October 1941). [Addition to No. 30809].

*Pure silicon with aluminium or beryllium or both polished, treated with hydrofluoric acid, heated in an*

*oxidising atmosphere and coated with a metallic layer.*

31190. The General Electric Company Limited. Improvements in apparatus for transmitting and receiving radio signals. (2nd January 1941).

*Using a common aerial, a concentric feeder from aerial branches into two concentric lines which unite at another point, receiver being connected to one branch and transmitter connected to the other.*

31868. Therapeutic Research Corporation of Great Britain Limited. Improvements in and relating to the Synthesis of thiazolidine compounds.

*Reacting a cysteine with an aldehyde or a ketone.*

33794. J. H. Senior. Improvements in and relating to windows and the like. (22nd December 1944).

*Combined metal frame and surround or subframe in which the subframe adjacent an inner edge has an encircling projection having parallel flanges.*

34087. S. Tularam. An electric gramophone.

*A constant speed single phase A.C. gramophone wherein the rotor is directly coupled to the turntable and the stator and rotor have both identical number of slots.*

34261. F. W. Haywood, D. S. Laidler and Wild-Barfield Electric Furnaces Limited. Metallurgical and like surface heat treatment and furnaces therefor. (5th February 1945).

*Furnace chamber for heat treatment in which gas jets impart turbulence or whirling of the atmosphere in the work space.*

34110. T. & T. Vicars Limited. Improvements in gas burners.

*Burner tubes carried by a detachable plate having passages coinciding with gas inlet passages, a flange making sealing contact with the wall of combustion chambers.*

34336. F. L. Smidth & Co. A/S. Processes for the separation of mineral mixtures according to the float and sink principles.

*Minerals mixtures while being separated according to the float and sink principle are subjected to a field of centrifugal forces.*

34355. Standard Telephones and Cables Limited. Improvements in synchronising arrangements for electric Television and Facsimile systems. (17th March 1945).

*Generating a train of regularly repeated identical electrical pulses having discontinuities at specified intervals, each one affecting not more than two consecutive periods and applying these pulses to an television or facsimile receiver.*

34436. Shell Development Company. Method of contacting fluids and fluidized materials and the applications thereof *inter alia* to the recovery of penicillin and the penicillin so recovered.
- Passing two phases simultaneously and concurrently through an annular zone formed between two surfaces of revolution.*
34592. B. W. Palmer. Improvements in vacuum hose-pipes and the like.
- In fabricating outer layer of rubber treated fabric a soft mouldable or plasticised rubber is applied to its inner surface, and the rubber is by pressure or friction forced into the interstices the outer layer of fabric.*
34771. Standard Telephones and Cables Limited. Improvements in or relating to electric frequency measuring apparatus. (14th May 1945).
- Repetitive wave and a wave of known frequency undergo successive steps of frequency division, phases of output waves after corresponding frequency division are compared.*
34819. William Jessop & Sons Limited. Improvements in and relating to nickel-chromium steels.
- A steel alloys containing carbon, silicon, manganese, nickel, chromium, tungsten and/or molydenum and one or more of the metals of the group niobium, tantalum, vanadium, titanium and zirconium.*
34833. Germinal S. A. Improvements in or relating to processes for the preparation of extracts from aromatic plants, entirely soluble in hot water. (16th October 1945).
- Separating the volatile elements on the one hand and the soluble elements on the other and reuniting.*
34849. Airmec Limited. Improvements in or relating to terminal panels. (24th May 1945).
- Metal tongue is split longitudinally at a free end and the branches so formed are offset from one another to form a slot.*
34858. H. Kremor. Improvements in or relating to moulding materials.
- Mouldable material having two coatings of synthetic resin and either different resin or protein material.*
34868. Baldwin Instrument Company Limited. Improvements in or relating to moving coil electrical measuring instruments.
- A magnet having separate pole pieces attached thereto and having also a central core and top and bottom bearing supports for the coil pivots all rigidly attached to one only of the pole pieces.*
34874. N. V. Philips' Gloeilampenfabrieken. A mercury vapour discharge tube in conjunction with a luminescent screen.
- High pressure mercury vapour discharge lamp with a luminous screen consisting of an inner layer of cadmium borate activated with manganese and an outer layer of magnesium titanate activated with manganese.*
34877. C. H. Dunning. Projectors.
- Projector for images arranged on a film strip including a mechanism for moving the film strip arranged for straight line reciprocal motion including a sound reproducing mechanism with the movement of film strip.*
34881. Shorter Process Company Limited. Improvements in or relating to the surface hardening of metal articles. (9th August 1943).
- Moving a source of high temperature while rotating the surface about the central axis and cooling the heated surface.*
34910. B. & J. Sippel Limited. Improvements in knives.
- Blade, bolster and tang are formed separately, the blade and the tang being inserted in the bolster from opposite ends.*
34962. Standard Telephones and Cables Limited. Improvements in band pass filters for ultra-high frequencies. (27th August 1942).
- A band pass filter for ultra short waves comprising two cavity resonators, a variable ultra high frequency oscillation generator having the band pass filter forming an output circuit load impedance and a radio-altimeter comprising the said oscillation generator.*
34968. W. R. Wheeler and Clifford Motor Components Limited. Improvements relating to pumps. (30th October 1942).
- Combined rotary and reciprocating pump.*
35017. Omes Limited. Improvements in or relating to electric forging and apparatus therefor.
- Workpiece heated by current when reaches forging heat, current cut off or reduced and tension applied simultaneously.*
35022. L. Dufour. Tractor for agricultural or for road work.
- Brake shoe carriers embodied to the stationary part of the tractor and not to the hinged part which is designed to rotate only around the very axis of the rear driving wheels.*

35052. Copeman Laboratories Company. Process of colouring textile materials. (21st March 1941).

*Fixing the dyestuff on a fabric by means of a water insoluble resinous substance dissolved in a solvent, the dyestuff being soluble in the solvent.*

35054. The General Electric Company Limited. Improvements in or relating to electric couplings. (27th September 1944).

*An electric coupling comprising a plurality of tubular socket elements which are carried by a pre-formed insulating body adapted so as to afford apertures through which and tangs constituting terminals on the said socket elements penetrate and close the said apertures whereby ingress of sealing composition can be prevented.*

--073. The Ribbesford Company Limited. Improvements in or relating to suspension systems for vehicles. (15th June 1945).

*Two longitudinal arms pivoted to vehicle body are attached rigidly to dead axle arms coupled to rigid transverse member rise and fall together, each arm, free to flex relative to transverse member.*

35075. Foreign Rights (Precision Meters). Improvements in and relating to hydraulic or fluid rotary pumps or meters. (15th June 1945).

*An inner race annulus operating coaxially of the cylinder for positively positioning and maintaining the rollers in rolling contact with the inner periphery of the cylinder.*

35102. J. Blackburn. Improvements in or relating to partitions and walls. (20th June 1945).

*Cocoanut matting hang loosely by its upper end and upright rods secured at their ends threaded through the matting and a layer of cement or concrete on one or both sides of the matting.*

35162. Imperial Chemical Industries Limited. New monoazo dyestuffs. (29th June 1945).

*Diazotised 4-nitroaniline with the sulphuric ester of an amine capable of coupling in the p-position.*

35166. General Aniline & Film Corporation. Improvements in or relating to the production of colored images in photographic elements by color-forming development.

*A photographic silver-halide emulsion containing as a color-former, an azo dye comprising a reactive color coupling group.*

35496. Standard Telephones and Cables Limited. Improvements in and relating to built-up character communication systems.

*Transmitting high level signal of short train of impulses representing portion of a desired character and receiving them by translating and visually reproducing, including a limiter to pass signal only above a predetermined energy level.*

35171. N. E. Hewitt. Improvements in feeding devices for arc lamp carbons. (4th July 1945).

*Carbons rotatably supported and the means for supplying current are adapted to rotate the carbon and feed it axially.*

35447. E. B. Higgins. Improvements in or relating to the treatment of textiles for protection against biological attack. (23rd August 1945).

*A solution of an acyl derivative of a halogenated phenol or cresol in a non aqueous solvent.*

36563. Philips Lamps Limited. Improvements in and relating to electrically insulating arrangements. (9th February 1946).

*Method of providing insulating zone in a metallic member, comprising a truncated depression in the member and bondable insulating material secured in the depression.*

36066. E. J. L. Cotton. Electrical apparatus.

*A transducer, including a capillary electrometer and a liquid type Bourdon type system arranged in pressure communication with each other.*

36149. Armstrong Siddeley Motors Limited. Compound internal-combustion turbine plant. (15th January 1948).

*Combustion chamber gases pass at high speed through stationary nozzles to the first row of rotary turbine blades of impulse type to provide additional torque to drive the shell.*

36691. Armstrong Siddeley Motors Limited. A control means for a constant-speed, variable-pitch propeller driven by an internal-combustion turbine unit. (28th February 1946).

*A constant speed variable pitch propeller.*

36707. Shrager Bros., Limited. Improvements in adjustable chairs. (7th May 1945).

*An adjustable chair comprising two side frames in rigid relationship, a back and a seat frame hinged together and can be raised and lowered.*

36750. Merck & Co., Inc. Adrenal cortical hormone.

*Reacting a compound of the cyclopentanoperhydro-phenanthrene series with an alkali metal salt or an alkaline earth metal salt of a lower aliphatic carboxylic acid.*

36751. Merck & Co., Inc. Adrenal cortical hormone.

*Reacting a 3, 11-diketo-17-hydroxy-20, 21-diacyl oxypregnene with bromine and the bromo compound is treated with a tertiary amine.*

37268. W. T. Bell and A. Crompton. Improvements in or connected with the mechanical brake systems of winding engines, haulages and other rotating machines. (27th May 1946).

37030. Imperial Chemical Industries Limited. Pile fabrics. (22nd March 1946).

*Pile fabrics are produced from polymeric linear esters which have been obtained by heating glycols with terephthalic acid or an ester forming derivative thereof.*

37047. T. Dieden and N. Ryberg. Improved machine for manufacturing boards from straw or like material.

*Comprising a compacting unit having a channel, an inlet opening of which is provided with knife and a reciprocating plunger provided with a knife.*

37054. Imperial Chemical Industries Limited. Manufacture of solid anhydrous caustic soda from a solution. (25th March 1946).

*Bringing the solution to a temperature between 200° and 300°C, providing a large area of the liquid and a low partial water pressure and adiabatically allowing the evaporation.*

37209. Electric Furnace Products Company, Limited. Iron-base alloys. (14th June 1946).

*Containing Chromium (10-30 per cent.), Nickel (2 to 40 per cent.), molybdenum (.5 to 7.5 per cent.), tungsten (.5 to 10 per cent.), boron (.1 to 3 per cent.), aluminium 7.5 per cent., nitrogen (.25 per cent., Nitrogen) iron (rest).*

37210. Electric Furnace Products Company, Limited. Iron-base alloys. (14th June 1946).

*Containing chromium, cobalt, molybdenum, tungstan, an aggregate of 0.5 per cent. to 7 per cent. of one or more of the group niobium, tantalum, titanium and vanadium and iron.*

37215. Electric Furnace Products Company, Limited. Iron-base alloys. (14th June 1946).

*Containing chromiam (10-30 per cent.), cobalt (10 to 40 per cent.), molybdenum (upto 7.5 per cent.), tungsten (.5 to 15 per cent.), boron (.01 to 3 per cent.), aluminium .5 per cent., nitrogen .25 per cent. carbon <1 per cent. and iron 5 per cent.*

37288. Gate City Sash and Door Company. Window structures.

*Plurality of sashes mounted in a frame are each hinged supported from the frame, a pair of sash arms are secured to opposite side rails of each sash, a rock shaft is rotatably mounted in the frame and removable linkage levers interconnect the sash arms with the rock shaft.*

37457. Shawinigan Resins Corporation. Improvements in or relating to a process for preparing high viscosity polyvinyl alcohol and the high polyvinyl alcohol resulting from said process.

*Treating polyvinyl acetate with sulphuric acid while dissolved in a mixture of methanol and a hydrocarbon, said mixture containing 3-25 per cent. of methanol by weight.*

37460. Hemos Limited. Improvements in and relating to continuous feed kinematographic apparatus.

*Comprising a square section rotatable compensating prism all the facets of which are used successively and which is surrounded by a shutter rotating therewith.*

37611. F. G. Denton. An improved plastic composition.

*Stabilised rubber latex is incorporated in the composition.*

37619. Distillation Products Inc. Vacuum fractionating process and apparatus. (22nd November 1944).

*A distilling surface surrounding a condensing surface and means for conveying the condensate to the distilling surface.*

#### Opposition Proceedings

The application for a patent No. 32632 made by B. N. Roy on which an opposition was entered by G. R. Govindarajan as notified in Part II, Section 1 of the Gazette of India dated the 17th May 1947, has been treated as abandoned.

#### Patents Sealed

31774.

#### Renewal Fees Paid

19508.	19647.	20403.	20588.	20590.	21377.
21474.	21541.	21672.	21831.	22396.	22408.
22465.	22470.	22522.	22642.	23286.	23376.
23540.	23552.	23570.	23573.	23574.	23575.
23617.	23709.	24020.	24339.	24699.	24706.
24729.	24748.	24749.	24762.	24785.	24894.

24901. 25111. 25270. 25755. 25836. 25860.  
 25861. 25881. 25926. 25941. 25952. 25965.  
 26065. 26412. 26869. 27003. 27019. 27036.  
 27082. 27090. 27171. 27193. 27229. 27424.  
 27513. 27757. 27769. 27804. 27838. 27845.  
 27874. 27875. 28219. 28220. 28438. 28473.  
 28544. 28593. 28623. 28642. 28645. 28663.  
 28672. 28732. 28762. 29165. 29166. 29167.  
 29168. 29169. 29260. 29262. 29278. 29314.  
 29315. 29316. 29322. 29366. 29480. 29747.  
 29873. 30037. 30155. 30189. 30191. 30204.  
 30230. 30265. 30325. 30326. 30381. 30398.  
 30409. 30461. 30477. 30538. 30548. 30557.  
 30588. 30706. 31744. 31764. 31846. 31848.  
 31850. 31915. 31946. 31947. 31981. 31990.  
 32020. 32025. 32027. 32029. 32092. 32120.  
 32134. 32273. 32388. 32801. 35283. 35906.  
 35964.

#### Cessation of Patents

[The entries under this heading should not be regarded as final in view of the Indian Patents and Designs (Extension of Time) Act, 1942.)]

24682. 24683.

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period

of two years from the date of registration, except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs included in that entry.

Class 13 Nos. 70178—70180, 70182, 70184,  
 70187, 70189, 70190, 70193—70200.

The Shree Niwas Cotton Mills Ltd.,  
 a British Indian Firm situated at  
 Delisle Road, Bombay 13, cotton  
 piecegoods, April 19, 1947.

Class 14 Nos. 70181, 70183, 70185, 70186, 70188,  
 70191, and 70192. The Shree

Niwas Cotton Mills Ltd., a British  
 Indian Firm, situated at Delisle  
 Road, Bombay 13, cotton piece-  
 goods, April 19, 1947.

**Copyright extended for a third period of five years.**

Design Nos. 62744, 62771, 62790 and 62797  
 Class 13.

Design Nos. 62775 and 62789 Class 14.

K. RAMA PAI,  
*Controller of Patents and Designs.*

